

Fig. 1G

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Fig. 1B

<i>M. abscessus</i>	aacggaaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtgatc	111
<i>M. avium</i>	aacggaaaaggcccttcggaggtactcgagtggcgaacgggtgagtaacacgtggcaat	
<i>M. bovis</i>	aacggaaaaggctcttcggagatactcgagtggcgaacgggtgagtaacacgtgggtat	
<i>M. chelonae</i>	aacggaaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtgatc	
<i>M. farcinogen</i>	aacggaaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtgatct	
<i>M. fortuitum</i>	aacggaaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtgatctg	
<i>M. gordonae</i>	aacggtaaggcccttcgggnatacgcgactcgagtggcgaacgggtgagtaacacgtggtaatct	
<i>M. heckeshornense</i>	aacggaaaaggccccttcgggtgctcgagtggcgaacgggtgagtaacacgtgggtg	
<i>M. intercellulare</i>	aacggaaaagnccccttcgggtactcgagtggcgaacgggtgagtaacacgtggcaatc	
<i>M. kansaii</i>	aacggaaaaggcttcggagacactcgagtggcgaacgggtgagtaacacgtggcaat	
<i>M. kubicae</i>	aacggaaaaggcccttcggggtaactcgagtggcgaacgggtgagtaacacgtgggtat	
<i>M. lentoflavum</i>	aacggaaaaggcccttcggaggtactcgagtggcgaacgggtgagtaacacgtggtaat	
<i>M. mucogenicum</i>	aacggaaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtgatct	
<i>M. parafinum</i>	aacggaaaaggccccttcggggtaactcgagtggcgaacgggtgagtaacacgtnncaat	
<i>M. simiae</i>	aacggaaaaggccccttcggggtaactcgagtggcgaacgggtgagtaacacgtggtaat	
<i>M. szulgai</i>	aacggaaaagnccccttcgggnatacgcgactcgagtggcgaacgggtgagtaacacgtggtaatc	
<i>M. tuberculosis</i>	aacggaaaaggcttcggagatactcgagtggcgaacgggtgagtaacacgtgggtat	



FIG. 1A

<i>M. abscessus</i>	-----	<u>acatgcaagtgc</u>	51
<i>M. avium</i>	-----	<u>gacgaacgctggcggcgtgcttaacacatgcaagtgc</u>	
<i>M. bovis</i>	-----	<u>gccccgtgcttaacacatgcaagtgc</u>	
<i>M. chelonae</i>	-----	<u>gacgaacgctggcggcgtgcttaacacatgcaagtgc</u>	
<i>M. farcinogen</i>	-----	<u>cgaacgctcgccgcgtgcttaacacatgcaagtgc</u>	
<i>M. fortuitum</i>	-----	<u>ggccgcgtgcttaacacatgcaagtgc</u>	
<i>M. gordонae</i>	-----	<u>ggccgcgtgcttaacacatgcaagtgc</u>	
<i>M. heckeshornense</i>	-----	<u>tgatcctggctcaggacgaacgctggcggcgtgcttaacacatgcaagtgc</u>	
<i>M. intercellulare</i>	-----	<u>ttaacacatgcaagtng</u>	
<i>M. kansasii</i>	-----	<u>gccccgtgcttaacacatgcaagtgc</u>	
<i>M. kubicæ</i>	-----	<u>gtgcttaacacatgcaagtgc</u>	
<i>M. lentiflavum</i>	-----	<u>ggccgcgtgcttaacacatgcaagtgc</u>	
<i>M. mucogenicum</i>	-----	<u>gacgaacgctggcggcgtgcttaacacatgcaagtgc</u>	
<i>M. parafinum</i>	-----	<u>cgtgcttaacacatgcaagtgc</u>	
<i>M. simiae</i>	-----	<u>ggccgcgtgcttaacanatgcaagtgc</u>	
<i>M. szulgai</i>	-----	<u>ggccgcgtgcttaacacatgcaagtgc</u>	
<i>M. tuberculosis</i>	-----	<u>ggccgcgtgcttaacacatgcaagtgc</u>	

Fig. 1C

<i>M. abscessus</i>	tgccctgactctggataagcctggaaactgggtctaataccggataggaccacac	171
<i>M. avium</i>	ctgccctgacttcggataagcctggaaactgggtctaataccggataggacctaag	
<i>M. bovis</i>	ctgccctgacttcggataagcctggaaactgggtctaataccggataggaccacgg	
<i>M. chelonae</i>	tgccctgactctggataagcctggaaactgggtctaataccggataggaccacac	
<i>M. farcinogen</i>	gccctgcactttggataagcctggaaactgggtctaataccggataggaccacgcgt	
<i>M. fortuitum</i>	ccctgcactttggataagcctggaaactgggtctaataccgaatgaccgcgcactt	
<i>M. gordoneae</i>	gccctgcacatcggataagcctggaaactgggtctaataccgaataggaccacaggac	
<i>M. heckeshornense</i>	acctgccctgacttcggataagcctggaaactgggtctaataccggataggaccgcg	
<i>M. intercellulare</i>	tgccctgacttcggataagcctggaaactgggtctaataccggataggacctttagg	
<i>M. kansaii</i>	ctgccctgcacaccggataagcctggaaactgggtctaataccggataggaccacttg	
<i>M. kubicae</i>	ctaccctgcacttcggataagcctggaaactgggtctaataccggataggaccatgag	
<i>M. lentoeflavum</i>	ctgccctgacttcggataagcctggaaactgggtctaataccggataggaccctttg	
<i>M. mucogenicum</i>	gccctgcactttggataagcctggaaactgggtctaataccgaataggaccacgcgt	
<i>M. parafinum</i>	ctgccctgacttcggataagcctggaaactgggtctaataccggataggaccacttg	
<i>M. simiae</i>	ctgccctgacttcggataagcctggaaactgggtctaataccggataggaccacttg	
<i>M. szulgai</i>	tgccctgacttcggataagcctggaaactgggtctaataccggataggaccccgagg	
<i>M. tuberculosis</i>	ctgccctgacttcggataagcctggaaactgggtctaataccggataggaccacggg	

Fig. 1D

<i>M. abscessus</i>	ttcatggtagtggtgcaaagctttcggtgtggatgagccgcggcctatcagctt	231
<i>M. avium</i>	acgcatgtctctggaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. bovis</i>	atgcatgtctgtggtnaaagcgcttagcggtgtggatgagccgcggcctatcagc	
<i>M. chelonae</i>	ttcatggtagtggtgcaaagctttcggtgtggatgagccgcggcctatcagctt	
<i>M. farcinogen</i>	tcatggtagtggtggaaagctttcggtgtggatggccgcggcctatcagctgt	
<i>M. fortuitum</i>	cctggtagtggtggaaagctttcggtgtggatggccgcggcctatcagctgtt	
<i>M. gordona</i>	acatgtccctgtggtgaaagctttcggtgtggatggccgcggcctatcagctgt	
<i>M. heckeshornense</i>	ccatgcattgtggtagtggtggaaagcgtgtggtagtggatggatggccgcggcctat	
<i>M. intercellulare</i>	cgcattgtcttaggtggaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. kansaii</i>	gcatgcattgtggtgaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. kubicae</i>	atgcattgtctatggtgaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. lentoflavum</i>	gcatgcattgtggtgaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. mucogenicum</i>	tcatggtagtggtggaaagctttcggtgtggatggccgcggcctatcagctgt	
<i>M. parafinum</i>	gcatgcattgtggtgaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. simiae</i>	gcatgcattgtggtgaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. szulgai</i>	cgcatgcattgggtggaaagctttcggtgtggatggccgcggcctatcagctt	
<i>M. tuberculosis</i>	atgcattgtctcggtggaaagcgcttagcggtgtggatgagccgcggcctatcagc	

Fig. 1E

Fig. 1F

<i>M. abscessus</i>	cacactggactgagatacggcccagactcctacggaggcagcagtgggaatattgc	351
<i>M. avium</i>		
<i>M. bovis</i>	ccacactggactgagatacggcccagactcctacggaggcagcagtgggaatattgc	
<i>M. chelonae</i>		
<i>M. farcinogen</i>	ggccacactggactgagatacggcccagactcctacggaggcagcagtgggaatatt	
<i>M. fortuitum</i>		
<i>M. gordonae</i>	cacactggactgagatacggcccagactcctacggaggcagcagtgggaatattgc	
<i>M. heckeshornense</i>		
<i>M. intercellulare</i>	acactggactgagatacggcccagactcctacggaggcagcagtgggaatattgcac	
<i>M. kansaii</i>		
<i>M. kubicae</i>	cactggactgagatacggcccagactcctacggaggcagcagtgggaatattgc	
<i>M. lentoflavum</i>		
<i>M. mucogenicum</i>	ccacactggactgagatacggcccagactcctacggaggcagcagtgggaatattgc	
<i>M. parafinum</i>		
<i>M. simiae</i>	ccacactggactgagatacggcccagactcctacggaggcagcagtgggaatattgc	
<i>M. szulgai</i>		
<i>M. tuberculosis</i>	cacactggactgagatacggcccagactcctacggaggcagcagtgggaatattgc	
	ggccacactggactgagatacggcccagactcctacggaggcagcagtgggaatatt	

Fig. 1H

<i>M. abscessus</i>	acctcttcagtagggacgaagcgaaagtgacggtacctacagaagaaggaccggccaa	471
<i>M. avium</i>		
<i>M. bovis</i>	aacctcttcaccatcgacgaaggccgggttctcgattgacggttaggtggagaaga	
<i>M. chelonae</i>		
<i>M. farcinogen</i>	taaacctcttcaccatcgacgaaggccgggttctcgattgacggttaggtggagaaa	
<i>M. fortuitum</i>		
<i>M. gordонae</i>	acctcttcagtagggacgaagcgaaagtgacggtacctacagaagaaggaccggccaa	
<i>M. heckeshornense</i>	cctcttcaatagggacgaagcgcaagtgacggtacctatagaagaaggaccggccaa	
<i>M. intercellulare</i>	ctcttcaatagggacgaagcgcaagtgacggtacctatagaagaaggaccggccaa	
<i>M. kansaii</i>		
<i>M. kubicae</i>	cctcttcaccatcgacgaaggccgggttctcggtgacggttaggtggagaagaag	
<i>M. lentoflavum</i>		
<i>M. mucogenicum</i>	gttgtaaacctcttcaccatcgacgaaggccgcagcttgggtgacggttaggtgg	
<i>M. parafinum</i>		
<i>M. simiae</i>	acctcttcaccatcgacgaaggccgggttctcgattgacggttaggtggagaagaa	
<i>M. szulgai</i>		
<i>M. tuberculosis</i>	aacctcttcaccatcgacgaaggccgggttctcgattgacggttaggtggagaaga	
	aacctcttcagcagggacgaagcgcaagtgacggtacctgcagaagaaggaccggccaa	
	cctcttcaatagggacgaagcgcaagtgacggtacctatagaagaaggaccggccaa	
	aacctcttcaccatcgacgaaggctactcgtgagttgacggttaggtggagaagaagc	
	aacctcttcagcagggacgaagcgcaagtgacggtacctgcagaagaaggaccggccaa	
	acctcttcaccatcgacgaaggccgggttctcgattgacggttaggtggagaagaa	
	taaacctcttcaccatcgacgaaggccgggttctcgattgacggttaggtggagaaa	

Fig. 11

<i>M. abscessus</i>	tacgtgccagcagccgcggtaatacgttagggtccgagcgttgcggaaattactggcgta	531
<i>M. avium</i>		
<i>M. bovis</i>	agcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgcgg	
<i>M. chelonae</i>		
<i>M. farcinogen</i>	gaagcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgc	
<i>M. fortuitum</i>		
<i>M. gordонae</i>	tacgtgccagcagccgcggtaatacgttagggtccgagcgttgcggaaattactggcgta	
<i>M. heckeshornense</i>		
<i>M. intercellulare</i>	acgtgccagcagccgcggtaatacgttagggtccgagcgttgcggaaattactggcgta	
<i>M. kansaii</i>		
<i>M. kubicae</i>	cgtgccagcagccgcggtaatacgttagggtccgagcgttgcggaaattactggcgtaa	
<i>M. lentoflavum</i>		
<i>M. mucogenicum</i>	caccggccaactacgtgccagcagccgcgntaatacgttagggtgcgagcgttgcggaa	
<i>M. parafinum</i>		
<i>M. simiae</i>	agaagaaggcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcggaa	
<i>M. szulgai</i>		
<i>M. tuberculosis</i>	acgtgccagcagccgcggtaatacgttagggtgcgagcgttgcggaaattactggcg	

Fig. 1J

<i>M. abscessus</i>	aaagagctcgtaggtggttgtcgcggttgcgtgaaaactcacagcttaactgtggcg	591
<i>M. avium</i>	aattactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcacggc	
<i>M. bovis</i>	gaaattactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcacg	
<i>M. chelonae</i>	aaagagctcgtaggtggttgtcgcggttgcgtgaaaactcacagcttaactgtggcg	
<i>M. farcinogen</i>	aagagctcgtaggtggttgtcgcggttgcgtgaaaactcacagcttaactgtggcg	
<i>M. fortuitum</i>	agagctcgtaggtggttgtcgcggttgcgtgaaaactcacagcttaactgtggcg	
<i>M. gordonae</i>	ttactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcacggct	
<i>M. heckeshornense</i>	gtccggaattactggcgtaaagagctcgtaggcggcttgcgcgttgcgtgaaatgc	
<i>M. intercellulare</i>	attactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcacgct	
<i>M. kansaii</i>	aattactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcacggc	
<i>M. kubicae</i>	taaagagctcgtaggtggttgtcgcggttgcgtgaaaaccggggcttaaccctcg	
<i>M. lentoflavum</i>	taaagagctcgtaggtggttgtcgcggttgcgtgaaaaccggggcttaaccctcg	
<i>M. mucogenicum</i>	aagagctcgtaggtggttgtcgcggttgcgtgaaaactcacagcttaactgtggcg	
<i>M. parafinum</i>	tactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcacggct	
<i>M. simiae</i>	taaagagctcgtaggtggttgtcgcggttgcgtgaaaaccggggcttaaccctcg	
<i>M. szulgai</i>	attactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcacgct	
<i>M. tuberculosis</i>	gaaattactggcgtaaagagctcgtaggtggttgtcgcggttgcgtgaaaatctcac	

Fig. 1K

<i>M. abscessus</i>	tgcgggcatacggcagactagactgtactgcagggagactggaattcctggtagcg 651
<i>M. avium</i>	ttaactgtgagcgtgcggcgatacggcagactagactgtactgcagggagactgaa
<i>M. bovis</i>	gcttaactgtgagcgtgcggcgatacggcagactagactgtactgcagggagactgaa
<i>M. chelonae</i>	tgcgggcatacggcagactagactgtactgcagggagactggaattcctggtagcg
<i>M. farcinogen</i>	gcggcgatacggcagactagactgtactgcagggagactggaattcctggtagcggt
<i>M. fortuitum</i>	cgggcgatacggcagactagactgtactgcagggagactggaattcctggtagcggt
<i>M. gordonae</i>	aactgtgagcgtgcggncgatacggcagacttggactgtcagggagactggaattcc
<i>M. heckeshornense</i>	cacagcttaactgtggcgtgcggcgatacggcaggctggagtgtcagggagact
<i>M. intercellulare</i>	taactgtgagcgtgcggcgatacggcagactagactgtcagggagactggaattc
<i>M. kansaii</i>	ttaactgtgagcgtgcggncgatacggcagactagactgtcagggagactggaatt
<i>M. kubicai</i>	gtgcggcgatacggcagactggactgtcagggagactggaattcctggtagcg
<i>M. lentoeflavum</i>	gtgcggcgatacggcagactggactgtcagggagactggaattcctggtagcg
<i>M. mucogenicum</i>	gcggcgatacggcagactagactgtactgcagggagactggaattcctggtagcggt
<i>M. parafinum</i>	actgtgagcgtgcggcgatacggcagactagactgtactgcagggagactggaattcct
<i>M. simiae</i>	gtgcggcgatacggcagactggactgtcagggagactggaattcctggtagcg
<i>M. szulgai</i>	taactgtgagcgtgcggncgatacggcagactggactgtcagggagactggaattc
<i>M. tuberculosis</i>	gcttaactgtgagcgtgcggcgatacggcagactagactgtcagggagactgga

Fig. 1L

<i>M. abscessus</i>	<u>tggaaatgcgcagat</u> atcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaact	711
<i>M. avium</i>	cctggtgtagcggtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtct	
<i>M. bovis</i>	tccctggtgtagcggtggaatgcgcagatatcaggaggaacaccggtnncaaggcgggt	
<i>M. chelonae</i>	tggaaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaact	
<i>M. farcinogen</i>	ggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaactg	
<i>M. fortuitum</i>	gaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaactga	
<i>M. gordonae</i>	tggtgtagcggtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtct	
<i>M. heckeshornense</i>	ggaattccctggtgtagcggtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggc	
<i>M. intercellulare</i>	ctgggttagcggtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctc	
<i>M. kansaii</i>	cctggtgtagcggtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtct	
<i>M. kubicae</i>	gtggaaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaac	
<i>M. lentoflavum</i>	gtggaaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaac	
<i>M. mucogenicum</i>	ggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaactg	
<i>M. parafinum</i>	gtgttagcggtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctg	
<i>M. simiae</i>	gtggaaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctctggcagtaac	
<i>M. szulgai</i>	ctggtgttagcngtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggtctc	
<i>M. tuberculosis</i>	tccctggtgtagcggtggaatgcgcagatatcaggaggaacaccggtgtgcgaaggcgggt	

FIGURE 1M

M. abscessus gacgctga ggagcgaaag cgtggtagc gaacaggatt agataccctg
gtagtccacg ccgtaaacgg tgggtactag gtgtgggttt cttcccttgg gatccgtgcc
gtagctaacg cattaagtac cccgcctggg gagtacggc gcaagactaa aactcaaagg
aattgacggg ggcccgac agcggcggag catgtggatt aattcgatgc aacgcgaaga
accttacctg gtttgacat gcacaggacg tatctagaga taggtattcc ctgtggcct
gtgtgcaggt ggtgcattgc tgcgtcagc tcgtgtcg agatgttggg ttaagtcccg
caacgagcgc aaccctgtc ctatgttgc agcggtaat gccgggact ctagggagac
tgccggggtc aactcggagg aagggtggga tgacgtcaag tcattatgtcc
agggttcac acatgctaca atggccagta cagaggcgtc cgaagccgt aagtggagcg
aatccctaa agctggctc agtcggatt ggggtctgca actcgacccc atgaagtccg
cctggtagcggtaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtct

M. avium

M. bovis ttccctggtagcggtaatgcgcagatatcaggaggaacaccgggtgncaaggcgggt

M. chelonae tggaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctggcagtaact

M. farcinogen ggaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctggcagtaactg

M. fortuitum gaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctggcagtaactga

M. gordonae tggtagcggtaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtct

M. heckeshornense ggaattccctggtagcggtaatgcgcagatatcaggaggaacaccgggtggcgaaggcggc

M. intercellulare ctggtagcggtaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctc

M. kansaii cctggtagcggtaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtct

M. kubicæ gtggaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctggcagtaac

M. lentoflavum gtggaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctggcagtaac

M. mucogenicum ggaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctggcagtaactg

M. parafinum ggttagcggtaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctg
|| || || || || || || || || || || || || || || || || || || || || ||

M. simiae gtggaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctctggcagtaac
| || || || || || || || || || || || || || || || || || || || || ||

M. szulgai ctggtagcngtggaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggtctc
| || || || | || || || || || || || || || || || || || || || || ||

M. tuberculosis ttccctggtagcggtaatgcgcagatatcaggaggaacaccgggtggcgaaggcgggt

Fig. 2A

<i>M. abscessus</i>	-----	<u>acatgcaagt</u> 51
<i>M. avium</i>	-----	<u>gacgaacgctggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. bovis</i>	-----	<u>gcccgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. chelonae</i>	-----	<u>gacgaacgctggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. farcinogen</i>	-----	<u>cgaacgctcgccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. fortuitum</i>	-----	<u>ggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. gordонae</i>	-----	<u>ggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. heckeshornense</i>	-----	<u>tgatcctggctcaggac</u> <u>gaacgctggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. intercellulare</i>	-----	<u>ttaacacatgcaagt</u> ng
<i>M. kansasii</i>	-----	<u>gcccgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. kubicæ</i>	-----	<u>gtgc</u> <u>tttaacacatgcaagt</u> tcg
<i>M. lentiflavum</i>	-----	<u>ggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. mucogenicum</i>	-----	<u>gacgaacgctggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. parafinum</i>	-----	<u>cgtgc</u> <u>tttaacacatgcaagt</u> tcg
<i>M. simiae</i>	-----	<u>ggccgcgt</u> <u>cttaacanatgcaagt</u> tcg
<i>M. szulgai</i>	-----	<u>ggccgcgt</u> <u>cttaacacatgcaagt</u> tcg
<i>M. tuberculosis</i>	-----	<u>ggccgcgt</u> <u>cttaacacatgcaagt</u> tcg

Fig. 2B

<i>M. abscessus</i>	aacggaaaggcc-cttcgg-ggtact-cgagtggcaacgggtgagtaacacgtgggtat	111
<i>M. avium</i>	aacggaaaggcct-cttcggaggtact-cgagtggcaacgggtgagtaacacgtggcaat	
<i>M. bovis</i>	aacggaaaggct-cttcggagatact-cgagtggcaacgggtgagtaacacgtgggtat	
<i>M. chelonae</i>	aacggaaaggcc-cttcgg-ggtact-cgagtggcaacgggtgagtaacacgtgggtat	
<i>M. farcinogen</i>	aacggaaaggcc--cttcggg-gtact-cgagtggcaacgggtgagtaacacgtgggtat	
<i>M. fortuitum</i>	aacggaaaggcc--cttcggg--tact-cgagtggcaacgggtgagtaacacgtgggtat	
<i>M. gordonae</i>	aacggtaaggcc--cttcgggn-taca-cgagtggcaacgggtgagtaacacgtggtaat	
<i>M. heckeshornense</i>	aacggaaaggccccttcgggggtgctcgagtggcaacgggtgagtaacacgtgggtac	
<i>M. intercellulare</i>	aacggaaagnccc-cttcg--gggtactcgagtggcaacgggtgagtaacacgtggcaat	
<i>M. kansaii</i>	aacggaaaggct-cttcggagac-actcgagtggcaacgggtgagtaacacgtggcaat	
<i>M. kubicae</i>	aacggaaaggccc-cttcgggggt-actcgagtggcaacgggtgagtaacacgtgggtat	
<i>M. lentoflavum</i>	aacggaaaggcct-cttcggaggt-actcgagtggcaacgggtgagtaacacgtggtaat	
<i>M. mucogenicum</i>	aacggaaaggcc--cttcgg-ggt-actcgagtggcaacgggtgagtaacacgtgggtat	
<i>M. parafinum</i>	aacggaaaggccc-cttcgggggt-actcgagtggcaacgggtgagtaacacgtngcaat	
<i>M. simiae</i>	aacggaaaggccc-cttcgggggt-actcgagtggcaacgggtgagtaacacgtggtaat	
<i>M. szulgai</i>	aacggaaagnccc-cttcgggn-t-actcgagtggcaacgggtgagtaacacgtggtaat	
<i>M. tuberculosis</i>	aacggaaaggct-cttcggagat-actcgagtggcaacgggtgagtaacacgtgggtat	

Fig. 2C

<i>M. abscessus</i>	ctgcctgcactctggataagcctggaaactggtctaataccggataggaccacaca	171
<i>M. avium</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggacctaag	
<i>M. bovis</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggaccacgg	
<i>M. chelonae</i>	ctgcctgcactctggataagcctggaaactggtctaataccggataggaccacaca	
<i>M. farcinogen</i>	ctgcctgcactttggataagcctggaaactggtctaataccggataggaccacgcg	
<i>M. fortuitum</i>	ctgcctgcactttggataagcctggaaactggtctaataccgaatatgaccgcga	
<i>M. gordонae</i>	ctgcctgcacatcggataagcctggaaactggtctaataccgaataggaccacagg	
<i>M. heckeshornense</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggaccgcgc	
<i>M. intercellulare</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggaccttag	
<i>M. kansaii</i>	ctgcctgcacacccggataagcctggaaactggtctaataccggataggaccactg	
<i>M. kubicae</i>	ctaccctgcacttcggataagcctggaaactggtctaataccggataggaccatgag	
<i>M. lentoflavum</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggacctttg	
<i>M. mucogenicum</i>	ctgcctgcactttggataagcctggaaactggtctaataccgaataggaccacgcg	
<i>M. parafinum</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggaccacttg	
<i>M. simiae</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggaccacttg	
<i>M. szulgai</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggaccccgag	
<i>M. tuberculosis</i>	ctgcctgcacttcggataagcctggaaactggtctaataccggataggaccacggg	

Fig. 2D

<i>M. abscessus</i>	cttcatggtagtggtagcaaagc-tttt---gcggtagggatgagcccgccatca	231
<i>M. avium</i>	acgcattgtttctgtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. bovis</i>	atgcattgtttgtgtngaaagcgcttt--agcggtgtggatgagcccgccatca	
<i>M. chelonae</i>	cttcatggtagtggtagcaaagc-tttt---gcggtagggatgagcccgccatca	
<i>M. farcinogen</i>	cttcatggtagtggtagggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. fortuitum</i>	cttcctggtagtggtagggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. gordonae</i>	acacatgtcctgtgtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. heckeshornense</i>	atgcattgtgtgtggaaagcgtagtggatggatggcccgccatca	
<i>M. intercellulare</i>	gcgcatgtcttagtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. kansaii</i>	gcgcatgcctgtgtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. kubicae</i>	atgcattgtttatgtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. lentoflavum</i>	gcgcatgccttggtagggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. mucogenicum</i>	cttcattgtgtgtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. parafinum</i>	gcgcatgcctgtgtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. simiae</i>	gcgcatgcctgtgtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. szulgai</i>	gcgcatgcctgggtggaaagc-tttt---gcggtagggatggcccgccatca	
<i>M. tuberculosis</i>	atgcattgtttctgtggaaagcgcttt--agcggtgtggatgagcccgccatca	

Fig. 2E

<i>M. abscessus</i>	gcttgttgtgggtaatggcccaccaaggcgacgacggtagccggcctgagagggtga	291
<i>M. avium</i>	gcttgttgtgggtgacggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. bovis</i>	gcttgttgtgggtacggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. chelonae</i>	gcttgttgtgggtaatggcccaccaaggcgacgacggtagccggcctgagagggtga	
<i>M. farcinogen</i>	gcttgttgtgggtaatggcctaccaaggcgacgacggtagccggcctgagagggtga	
<i>M. fortuitum</i>	gcttgttgtgggtaatggcctaccaaggcgacgacggtagccggcctgagagggtga	
<i>M. gordonae</i>	gcttgttgtgggtgatggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. heckeshornense</i>	gcttgttgtgggtgatggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. intercellulare</i>	gcttgttgtgggtgatggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. kansaii</i>	gcttgttgtgggtgacggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. kubicae</i>	gcttgttgtgggtgacggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. lentoflavum</i>	gcttgttgtgggtgacggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. mucogenicum</i>	gcttgttgtgggtaatggcctaccaaggcgacgacggtagccggcctgagagggtga	
<i>M. parafinum</i>	gcttgttgtgggtgatggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. simiae</i>	gcttgttgtgggtgacggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. szulgai</i>	gcttgttgtgggtgacggcctaccaaggcgacgacggtagccggcctgagagggtgt	
<i>M. tuberculosis</i>	gcttgttgtgggtgacggcctaccaaggcgacgacggtagccggcctgaga-ggtgt	

Fig. 2F

<i>M. abscessus</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	351
<i>M. avium</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. bovis</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. chelonae</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. farcinogen</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. fortuitum</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. gordonae</i>	ccggccacactggactgagatacggccagactnctacggaggcagcagtgggaata	
<i>M. heckeshornense</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. intercellulare</i>	ccggccacactggactgagatacggccagactnctacggaggcagcagtgggaata	
<i>M. kansaii</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. kubicae</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. lentoflavum</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. mucogenicum</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. parafinum</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	
<i>M. simiae</i>	ccggccacactggactgagatacggccagactnctacggaggcagcagtgggaata	
<i>M. szulgai</i>	ccggccacactggactgagatacggccagactnctacggaggcagcagtgggaata	
<i>M. tuberculosis</i>	ccggccacactggactgagatacggccagactcctacggaggcagcagtgggaata	

Fig. 2G

<i>M. abscessus</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtgagggatgacggccttcgggt	411
<i>M. avium</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. bovis</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. chelonae</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtgagggatgacggccttcgggt	
<i>M. farcinogen</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtgagggatgacggccttcgggt	
<i>M. fortuitum</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtgagggatgacggccttcgggt	
<i>M. gordonae</i>	ttgcacaatggcgaaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. heckeshornense</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. intercellulare</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. kansaii</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. kubicae</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. lentoflavum</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. mucogenicum</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtgagggatgacggccttcgggt	
<i>M. parafinum</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. simiae</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. szulgai</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	
<i>M. tuberculosis</i>	ttgcacaatggcgcaagcctgatgcagcgacgcccgtggggatgacggccttcgggt	

Fig. 2H

<i>M. abscessus</i>	tgtaaacctttcagtagggacgaagcgaaagtgacggtacctacagaagaaggaccgg	471
<i>M. avium</i>	tgtaaacctttcaccatcgacgaaggccgggtttctcgattgacggttaggtggag	
<i>M. bovis</i>	tgtaaacctttcaccatcgacgaaggccgggtttctcgattgacggttaggtggag	
<i>M. chelonae</i>	tgtaaacctttcagtagggacgaagcgaaagtgacggtacctacagaagaaggaccgg	
<i>M. farcinogen</i>	tgtaaacctttcaatagggacgaagcgcaagtgacggtacctatagaagaaggaccgg	
<i>M. fortuitum</i>	tgtaaacctttcaatagggacgaagcgcaagtgacggtacctatagaagaaggaccgg	
<i>M. gordonae</i>	tgtaaacctttcaccatcgacgaaggccgggtttctcggtgacggttaggtggag	
<i>M. heckeshornense</i>	tgtaaacctttcaccatcgacgaagccgcagctttgtgtggacggttaggtggag	
<i>M. intercellulare</i>	tgtaaacctttcaccatcgacgaaggccgggtttctcgattgacggttaggtggag	
<i>M. kansaii</i>	tgtaaacctttcaccatcgacgaaggccgggtttctcgattgacggttaggtggag	
<i>M. kubicae</i>	tgtaaacctttcagcagggacgaagcgcaagtgacggtacctgcagaagaaggaccgg	
<i>M. lentoflavum</i>	tgtaaacctttcagcagggacgaagcgcaagtgacggtacctgcagaagaaggaccgg	
<i>M. mucogenicum</i>	tgtaaacctttcaatagggacgaagcgcaagtgacggtacctatagaagaaggaccgg	
<i>M. parafinum</i>	tgtaaacctttcaccatcgacgaaggctacttcgtgagttgacggttaggtggagaag	
<i>M. simiae</i>	tgtaaacctttcagcagggacgaagcgcaagtgacggtacctgcagaagaaggaccgg	
<i>M. szulgai</i>	tgtaaacctttcaccatcgacgaaggccgggtttctcgattgacggttaggtggag	
<i>M. tuberculosis</i>	tgtaaacctttcaccatcgacgaaggccgggtttctcgattgacggttaggtggag	

Fig. 2I

<i>M. abscessus</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtccgagcgttgt	531
<i>M. avium</i>	aag---caccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. bovis</i>	aagaaggcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. chelonae</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtccgagcgttgt	
<i>M. farcinogen</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtccgagcgttgt	
<i>M. fortuitum</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtccgagcgttgt	
<i>M. gordonae</i>	aagaaggcaccggccaactacgtgccagcagccgcgntaatacgttagggtgcgagcgttgt	
<i>M. heckeshornense</i>	aagaaggcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcaagcgttgt	
<i>M. intercellulare</i>	aagaaggcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. kansaii</i>	aagaaggcaccggccaactacgtgccagcagccgcgntaatacgttagggtgcgagcgttgt	
<i>M. kubicae</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. lentoflavum</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. mucogenicum</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. parafinum</i>	aag---caccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. simiae</i>	-----ccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. szulgai</i>	aagaaggcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	
<i>M. tuberculosis</i>	aagaaggcaccggccaactacgtgccagcagccgcggtaatacgttagggtgcgagcgttgt	

Fig. 2J

<i>M. abscessus</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	591
<i>M. avium</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. bovis</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. chelonae</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. farcinogen</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. fortuitum</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. gordonae</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. heckeshornense</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. intercellulare</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. kansaii</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. kubicae</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaaccgg	
<i>M. lentoflavum</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaaccgg	
<i>M. mucogenicum</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. parafinum</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. simiae</i>	cnggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaaccgg	
<i>M. szulgai</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	
<i>M. tuberculosis</i>	ccggaattactggcgtaaagagctcgtaggtggtttcgcgttgcgtaaaaactca	

Fig. 2K

<i>M. abscessus</i>	cagcttaactgtgggcgtgcgggcatacgggcagactagagtactgcagggagactgg
<i>M. avium</i>	
<i>M. bovis</i>	cggcttaactgtgagcgtgcgggcatacgggcagactagagtactgcagggagactgg
<i>M. chelonae</i>	
<i>M. farcinogen</i>	cagcttaactgtgggcgtgcgggcatacgggcagactagagtactgcagggagactgg
<i>M. fortuitum</i>	cagcttaactgtgggcgtgcgggcatacgggcagactagagtactgcagggagactgg
<i>M. gordonae</i>	
<i>M. heckeshornense</i>	cagcttaactgtgggcgtgcgggcatacgggcaggctggagtctgcagggagactgg
<i>M. intercellulare</i>	
<i>M. kansaii</i>	cggcttaactgtgagcgtgcggncgatacgggcagactagagtactgcagggagactgg
<i>M. kubicæ</i>	
<i>M. lentoflavum</i>	gggcttaaccctcggcgtgcgggcatacgggcagactggagtactgcagggagactgg
<i>M. mucogenicum</i>	
<i>M. parafinum</i>	cagcttaactgtgggcgtgcgggcatacgggcagactagagtactgcagggagactgg
<i>M. simiae</i>	
<i>M. szulgai</i>	gggcttaaccctcggcgtgcgggcatacgggcagactggagtactgcagggagactgg
<i>M. tuberculosis</i>	
	cggcttaactgtgagcgtgcggncgatacgggcagactggagtactgcagggagactgg

Fig. 2L

<i>M. abscessus</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	711
<i>M. avium</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. bovis</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. chelonae</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. farcinogen</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. fortuitum</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. gordonae</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. heckeshornense</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. intercellulare</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. kansaii</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. kubicae</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. lentoflavum</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg -----	
<i>M. mucogenicum</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. parafinum</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. simiae</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. szulgai</i>	aattcctggtagcngtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	
<i>M. tuberculosis</i>	aattcctggtagcggtgg <u>aatgcgcagat</u> atcaggaggaacaccgg gtggcgaaggcgg	

Fig. 2M

<i>M. abscessus</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtggtagcgaacaggattagataccctg
<i>M. avium</i>	gtctctggcagtaactgacgctgagg-----
<i>M. bovis</i>	gtctctggcagtaactgacgctgaggagcgaaag-----
<i>M. chelonae</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtgg-----
<i>M. farcinogen</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtgggga-----
<i>M. fortuitum</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtggggagcgaacagg-----
<i>M. gordonae</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtg-----
<i>M. heckeshornense</i>	gtctctg-----
<i>M. intercellulare</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtggggagcgaa-----
<i>M. kansaii</i>	gtctctggcagtaactgacgctgaggagcgaaagcgt-----
<i>M. kubicae</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtggggagcgaacaggatt-----
<i>M. lentoflavum</i>	-----
<i>M. mucogenicum</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtggg-----
<i>M. parafinum</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtggggagc-----
<i>M. simiae</i>	gtctctggcagtaactgacgctgaggagcgaaagcgtggggagcgaac-----
<i>M. szulgai</i>	gtctctggcagtaactgacgctgaggagcgaaagcgt-----
<i>M. tuberculosis</i>	gtctctggcagtaactgacgctgaggagcgaaag-----

Fig. 1B

<i>M. abscessus</i>	aacgggaaaggccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtatc	111
<i>M. avium</i>		
<i>M. bovis</i>	aacggaaaggcctttcggagactcgagtggcgaacgggtgagtaacacgtggcaat	
<i>M. chelonae</i>		
<i>M. farcinogen</i>	aacggaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtatc	
<i>M. fortuitum</i>		
<i>M. gordonae</i>	aacggtaaggcccttcggntacacgagtggcgaacgggtgagtaacacgtggtaatc	
<i>M. heckeshornense</i>		
<i>M. intercellulare</i>	aacggaaagncccttcgggtactcgagtggcgaacgggtgagtaacacgtggcaatc	
<i>M. kansaii</i>		
<i>M. kubicae</i>	aacggaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtat	
<i>M. lentoflavum</i>		
<i>M. mucogenicum</i>	aacggaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtgggtatc	
<i>M. parafinum</i>		
<i>M. simiae</i>	aacggaaaggcccttcgggtactcgagtggcgaacgggtgagtaacacgtggtaat	
<i>M. szulgai</i>		
<i>M. tuberculosis</i>	aacggaaaggctttcggagatactcgagtggcgaacgggtgagtaacacgtgggtat	